

CLAIMS:

1. A heat-curable fluoropolyether rubber composition comprising

5 (A) 100 parts by weight of a straight-chain perfluoropolyether compound having at least two alkenyl groups in a molecule,

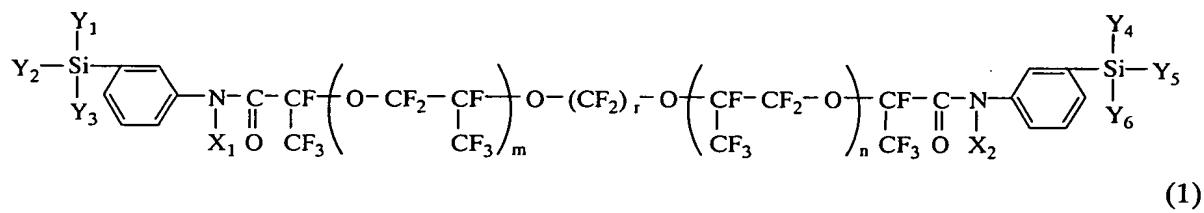
(B) 1 to 100 parts by weight of a reinforcing filler, and

10 (C) 0.1 to 5 parts by weight of an organic peroxide.

2. The composition of claim 1 wherein the straight-chain perfluoropolyether compound (A) has an alkenyl content of 0.002 to 0.3 mol/100 g.

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3. The composition of claim 1 wherein the straight-chain perfluoropolyether compound (A) has the following general formula (1):



20 wherein X<sub>1</sub> and X<sub>2</sub> each are hydrogen, methyl, phenyl or allyl, at least two of Y<sub>1</sub>, Y<sub>2</sub>, Y<sub>3</sub>, Y<sub>4</sub>, Y<sub>5</sub> and Y<sub>6</sub> are alkenyl groups, the remaining Y groups are substituted or unsubstituted monovalent hydrocarbon groups, r is an integer of 2 to 6, m and n each are an integer of 0 to 200, and the sum of m+n is

25 0 to 400.

4. The composition of claim 1 wherein the reinforcing filler (B) is carbon black, fumed silica or fumed silica treated with a surface treating agent containing silicon in a 30 molecule.

5. A rubber article comprising the curable fluoropolyether rubber composition of claim 1 in the heat-cured state.

5 6. The rubber article of claim 5 for use in automobiles, chemical plants, ink jet printers, semiconductor manufacturing lines, analytical or scientific instruments, medical equipment, aircraft or fuel cells.

10 7. The rubber article of claim 5 which is a diaphragm, valve, O-ring, oil seal, gasket, packing, joint or face seal.